

What is claimed is:

1        1. A lateral flow test strip assembly for testing urine, the assembly  
2 comprising:  
3        a support;  
4        a contact urinalysis pad coupled to the support, the contact urinalysis pad  
5                comprising an absorbent carrier and a reagent composition adapted to  
6                detect for one or more substances upon contact;  
7        a reagent-free absorbent strip coupled to the support, the absorbent strip being in  
8                fluid communication with the contact urinalysis pad, the absorbent strip  
9                adapted to receive the urine and to communicate the urine to the contact  
10              urinalysis pad.

11        2. The assembly of claim 1, further comprising means for preventing the  
12              urine from traveling beyond the contact urinalysis pad.

13        3. The assembly of claim 2, wherein the preventing means comprises a  
14              liquid impervious pad coupled to the support, the liquid impervious pad being disposed  
15              adjacent to the contact urinalysis pad and opposite from the absorbent strip.

16        4. The assembly of claim 3, wherein the preventing means further comprises  
17              a gap between the contact urinalysis pad and the liquid impervious pad.

18        5. The assembly of claim 1, wherein the absorbent strip is coupled to the  
19              contact urinalysis pad.

1        6.    The assembly of claim 5, wherein the absorbent strip overlaps a portion of  
2 the contact urinalysis pad.

1        7.    The assembly of claim 1, wherein the contact urinalysis pad comprises an  
2 adulteration pad.

1        8.    The assembly of claim 1, wherein the contact urinalysis pad comprises a  
2 bodily substance detection pad.

9        9.    A chemical test assembly adapted to test for the presence of multiple  
10 substances in a liquid sample, the assembly comprising:

11        a first backing;

12        a first contact detection pad coupled to the first backing, the first contact  
13        detection pad including a first absorbent carrier and a first reagent  
14        composition adapted to detect a first substance;

15        a first absorbent strip coupled to the first backing, the first absorbent strip in  
16        communication with the first contact detection pad;

17        a second absorbent strip in fluid communication with the first absorbent strip;

18        a second contact detection pad in communication with the second absorbent  
19        strip; and

20        a second backing disposed between the second contact detection pad and the  
21        first absorbent strip.

1        10. The assembly of claim 9, further comprising a first liquid impervious pad  
2 coupled to the first backing and disposed adjacent to the first contact detection pad  
3 opposite to the first absorbent strip.

1        11. The assembly of claim 10, wherein the first liquid impervious pad is  
2 spaced apart from the first contact detection pad.

1        12. The assembly of claim 9, further comprising a second liquid impervious  
2 pad coupled to the second backing and disposed adjacent to the second contact  
3 detection pad opposite to the second absorbent strip.

13. The assembly of claim 12, wherein the second liquid impervious pad is  
spaced apart from the second contact detection pad.

14. The assembly of claim 9, wherein at least a portion of the first contact  
detection pad and at least a portion of the second contact detection pad are exposed.

1        15. The assembly of claim 9, wherein:  
2        the second contact detection pad comprises a second absorbent carrier and a  
3        second reagent composition adapted to detect a second substance  
4        different from the first substance.

1       16. A chemical testing device comprising:  
2           a housing;  
3           a contact detection pad including a reagent composition adapted to detect one or  
4           more specific substances upon contact; and  
5           a reagent-free absorbent strip in communication with the contact detection pad.

1       17. The device of claim 16, wherein the housing includes means for viewing at  
2           least a portion of the contact detection pad.

18. The device of claim 16, wherein the housing comprises a cassette.

19. The device of claim 18, wherein the housing comprises an aperture open  
to at least a portion of the absorbent strip.

20. The device of claim 16, wherein the housing comprises a lid adapted to be  
coupled to a vessel.

1       21. The device of claim 20, further comprising means for introducing a liquid  
2           sample in the vessel to the absorbent strip.

22. The device of claim 20, wherein the lid is removable.

1       23. The device of claim 16, wherein the contact detection pad comprises a  
2           contact urinalysis pad.

1           24. The device of claim 16, further comprising a lateral flow immunoassay  
2           strip disposed substantially within the housing.

1           25. A lateral flow assembly for detecting a substance in a liquid sample, the  
2           assembly comprising:

3           a support;  
4           a contact detection pad coupled to the support, the contact detection pad  
5           comprising an absorbent carrier and a reagent composition adapted to  
6           detect for one or more substances upon contact;

7           a reagent-free absorbent strip coupled to the support, the absorbent strip being in  
8           fluid communication with the contact detection pad, the absorbent strip  
9           adapted to receive the liquid sample and to communicate the liquid  
10           sample to contact detection pad.

11           26. The assembly of claim 25, wherein the contact detection pad comprises a  
12           contact urinalysis pad.

13           27. The assembly of claim 26, wherein the contact urinalysis pad comprises a  
14           bodily substance detection pad.

15           28. The assembly of claim 26, wherein the contact urinalysis pad comprises  
16           an adulteration pad.

29. A method for performing urinalysis, comprising:

- receiving the urine with a reagent-free absorbent strip;
- providing an urinalysis pad with a reagent composition dispersed therein and adapted to detect a target substance upon contact;
- laterally flowing the urine to the urinalysis pad with the absorbent strip; and
- providing a detectable response as a result of detection of the target substance.

30. The method of claim 29, further comprising assaying for an antigen with a lateral flow immunobassay strip.

31. The method of claim 29, further comprising preventing the urine from traveling beyond the urinalysis pad.

32. A method for manufacturing a combined drug testing and adulteration testing device, the method comprising:

- providing a housing;
- disposing a drug test strip in the housing;
- disposing in the housing a reagent-free absorbent strip in communication with a contact detection pad; and
- preventing fluid communication between the drug test strip, on the one hand, and the absorbent strip and the contact detection pad, on the other hand.

1        33. The method of claim 32, further comprising providing a stop to prevent a  
2 liquid sample absorbed in the adulteration pad from traveling beyond the contact  
3 detection pad.

1        34. The method of claim 32, wherein providing a housing comprises forming  
2 apertures open to the drug test strip and the absorbent strip.

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